Amendments To The Specification:

In the English translation document, please delete the term --Description-- at page 1 line 1, before the title.

In the English translation document, please add the paragraph at page 1 line 6, after the title, as follows:

--CROSS REFERENCE TO RELATED APPLICATIONS

This application is the US National Stage of International Application No. PCT/EP02/14166, filed December 12, 2002 and claims the benefit thereof. The International Application claims the benefits of US application No. 60/343,701 filed December 27, 2001, both of the applications are incorporated by reference herein in their entirety.--

In the English translation document, please add the section heading at page 1 line 6, after the newly added CROSS REFERENCE TO RELATED APPLICATIONS section, as follows:

--FIELD OF INVENTION--

In the English translation document, please add the section heading at page 1 line 15, as follows:

--BACKGROUND OF INVENTION--

In the English translation document, please add the section heading at page 6 line 21, as follows:

--SUMMARY OF INVENTION--

In the English translation document, please amend the paragraph at page 6 lines 29-30, as follows:

The invention achieves this object by the claims ~~an automated method with the characteristics itemized in Claim 1~~.

In the English translation document, please add the section heading at page 9 line 17, as follows:

--BRIEF DESCRIPTION OF THE DRAWINGS--

In the English translation document, please add the paragraph at page 9 line 17, after the newly added section heading, as follows:

Figure 1 shows a system for monitoring and controlling the flow rate of a fluid through a pipe,
Figure 2 shows schematically programming steps,
Figure 3 shows an embodiment of the invention in a diagrammatic form,
Figure 4 shows a second embodiment of the invention,
Figure 5 shows part of a description written in the Device Description Language (DDL),
Figure 6 sketches the order of events in an advantageous application of the invention, and
Figures 7-9 show flowchart diagrams corresponding to the invention.

In the English translation document, please add the section heading at page 9 line 17, after the newly added paragraph, as follows:

--DETAILED DESCRIPTION OF INVENTION--

In the English translation document, please amend the paragraph at page 15 line 12 to page 16 line 1, as follows:

Figure 6 sketches the order of events in an advantageous application of the method in accordance with the invention. The starting point for the invention is the machine-readable parameterized description of a field device. A first step 31 identifies the four parameters of the field device, contained in the description, so that it is then possible in a second step 32 to identify for each of these parameters the characteristics which are relevant for control purposes, as defined in the description. The parameter v has three characteristics, which are identified in step 32. These are the lower limit of 1.753 for the allowed value range, the upper limit of 7.529, and the factor n=0.01, to be used for scaling the raw data. In the subsequent method step 33, several program modules are generated for the parameter v, into which go each identified characteristic of v. On the one hand, the declaration module 41 is generated, defining for v a particular segment on the storage means and its data type as "floating point". At the same time, an access module 42 is generated, instructing the checking equipment of the field device to execute an input checking

module 43, which is also generated, when the parameter v is accessed. ~~[Insert 42 again]~~. For each user-requested parameter change, the input checking module 43 checks whether the new parameter value lies between the limits of the allowed value range, that is between 1.753 and 7.529. If not, then an error message 44, which can be read out and displayed by the control computer, is generated.